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UI - 10471807  
 AU - Kajita M  
 AU - Kinoh H  
 AU - Ito N  
 AU - Takamura A  
 AU - Itoh Y  
 AU - Okada A  
 AU - Sato H  
 AU - Seiki M  
 TI - Human membrane type-4 matrix metalloproteinase (MT4-MMP) is encoded by a novel major transcript: isolation of complementary DNA clones for human and mouse mt4-mmp transcripts.  
 LA - Eng  
 MH - Amino Acid Sequence  
 MH - Animal  
 MH - Blotting, Western  
 MH - Breast Neoplasms/enzymology/genetics  
 MH - Carcinoma/enzymology/genetics  
 MH - COS Cells  
 MH - DNA Primers  
 MH - DNA, Complementary/\*isolation & purification  
 MH - Gene Amplification/methods  
 MH - Human  
 MH - Metalloendopeptidases/\*genetics/immunology/metabolism  
 MH - Mice  
 MH - Molecular Sequence Data  
 MH - Reverse Transcriptase Polymerase Chain Reaction  
 MH - Support, Non-U.S. Gov't  
 MH - Transcription, Genetic  
 MH - Translation, Genetic  
 MH - Tumor Cells, Cultured  
 RN - EC 3.4.24 (Metalloendopeptidases)  
 RN - EC 3.4.24. - (membrane-type 4 matrix metalloproteinase)  
 RN - O (DNA Primers)  
 RN - O (DNA, Complementary)  
 PT - JOURNAL ARTICLE  
 DA - 19991012  
 DP - 1999 Sep 3  
 IS - 0014-5793  
 TA - FEBS Lett  
 PG - 353-6  
 SB - M  
 SB - X  
 CY - NETHERLANDS  
 IP - 3  
 VI - 457  
 JC - EUH  
 AA - Author  
 EM - 199912  
 AB - Five distinct membrane-type matrix metalloproteinases (MT-MMP) have been reported by cDNA cloning. However, the mt4-mmp gene product (MMP-17) has not been identified yet in spite of the cDNA isolation [Puente et al. (1996), Cancer Res. 56, 944-949]. In this study, we re-examined the transcripts for human mt4-mmp by 5' RACE and identified two types of transcripts. The minor one corresponded to the cDNA reported by Puente et al. and failed to express protein, and the other is the major transcript that has an extended open reading frame and expressed 67 and 71 kDa translation products. Thus, functional mt4-mmp has been identified for the first time.  
 AD - Department of Cancer Cell Research, Institute of Medical Science, The University of Tokyo, 4-6-1, Shirokanedai, Minato-ku, Tokyo, Japan.  
 PMID - 0010471807  
 CU - 1999  
 SI - GENBANK/AB021224  
 PID - S0014579399010650  
 EDAT - 1999/09/03 09:00  
 MHDA - 1999/09/03 09:00

S0 - FEBS Lett 1999 Sep 3;457(3):353-6

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